UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/022,529	12/20/2001	Michael M. Kinahan	A887952US	2181

7590 01/24/2006	**EXAMINER**	
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ART UNIT	PAPER NUMBER
2664	

DATE MAILED: 01/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/022,529	KINAHAN ET AL.
Office Action Summary	Examiner	Art Unit	
	Raj Jain	2664	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on *20 February 2001*.

2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) *1-24* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) *1-24* is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on *20 February 2002* is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All b) ☐ Some * c) ☐ None of:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____.

      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date *4/3/02*.

4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-24 are rejected under 35 U.S.C. 102(b) as being anticipated by Ash et

al (US006151315A).

Regarding claims 1, 23 and 24, Ash discloses a method for reducing set-up time

for calls for both data and voice type calls (see Fig. 1, col 2 lines 5-9, col 6 lines 19-40,

abstract, Ash reduces setup time of calls by implementing fabric independent routing via

routing processor 28 that selects the route for each call based on system

characteristics, furthermore the type of call may be either data (packet based) or voice

call (circuit switched)), comprising:

-configuring at least one channel for calls (See Fig. 1, col 2 lines 16-22, the

routing processor 28 selects a channel for a call and configures the channel using

system criteria such as bandwidth requirements and traffic load, the routing processor

may in advance reserve bandwidth when necessary from idle networks see col 2 line

15.);

-reserving said at least one configured channel and storing information relating to

said at least one configured channel (See Fig. 1, col 3 lines 40-43, the routing processor

28 selects and reserves the channel and stores the information in a data base 29.);

-receiving at least one command, including information, to allocate a channel to a

call, and thereafter selecting a configured channel the stored information for which

matches said information included in said command (see Fig. 1, abstract, col 3 lines 39-

53, the routing processor 28 selects a specific channel using the commands received

form the call processor 14 or from another switching system query regarding the load

status and traffic load capabilities, the routing processor allocates and reserves

bandwidth from idle resources and stores information within a centralized database 29

also see col 4 lines 3-10.);

and assigning at least one configured channel to each said call (See Fig. 1, the

routing processor 28 allocates and reserves bandwidth or channel form idles resources

see col 3 lines 40-45.).

Regarding claim 7, Ash discloses a system for reducing set-up time for a call

(see Fig. 1 and abstract, Ash reduces setup time of calls by implementing fabric

independent routing via routing processor 28 that selects the route for each call based

on system characteristics.), comprising:

a first agent for configuring and reserving at least one channel (See Fig. 1, col 2

lines 16-22, the routing processor 28 selects a channel for a call and configures the

channel using system criteria such as bandwidth requirements and traffic load, where

the routing processor serves as the first agent within this configuration.);

a second agent for supplying communication resources including said configured

and reserved channels in response to a communication from said first agent, said first

agent also being communicative with a principal (see Fig. 1, abstract, col 3 lines 39-53,

the routing processor 28 selects a specific channel using the commands received form

the call processor 14 or from another switching system query regarding the load status

and traffic load capabilities, the routing processor allocates and reserves bandwidth

from idle resources and stores information within a centralized database 29 also see col

4 lines 3-10, the routing processor within this configuration serves both as first agent for

configuring of a channel and second agent for storing (database 29) and supplying the

required channel bandwidth to place a call within the network.), and

said principal adapted to acquire access to configured channels for the call by

sending a resource allocation command to said first agent to allocate one of said at

least one configured and reserved channel to the call (See Fig. 1, the routing processor

28 allocates and reserves bandwidth or channel form idles resources see col 3 lines 40-

45 and information from database 29).

Regarding claim 16, Ash discloses a first agent for a system for reducing set-up

time for calls (see Fig. 1 and abstract, Ash reduces setup time of calls by implementing

fabric independent routing via routing processor 28 that selects the route for each call

based on system characteristics), comprising:

-means for configuring at least one channel for calls (See Fig. 1, col 2 lines 16-

22, the routing processor 28 is the means for selecting a channel for a call and

configures the channel using system criteria such as bandwidth requirements and traffic

load.);

-means for reserving and tracking all configured channels (See Fig. 1, col 2 lines 12-14, the routing processor 28 is the means for reserving and tracking all configured channels and stores the information in a data base 29.);

-means for receiving at least one command to allocate a channel to a call ((see Fig. 1, abstract, col 3 lines 39-53, the routing processor 28 selects a specific channel using the commands received form the call processor 14)

-means for matching each command to a configured channel and means for allocating a separate configured channel to each call (see Fig. 1, abstract, col 3 lines 39-53, the routing processor 28 selects a specific channel using the commands received form the call processor 14. The routing processor allocates and reserves bandwidth see col 3 lines 40-45 from idle resources and stores information within a centralized database 29 also see col 4 lines 3-10.).

Regarding claim 2, Ash discloses configuring and defining capacity and direction of operation (see Fig. 1, the routing processor 28 reserves bandwidth or capacity from available idle resources see col 2 line 15, and the routing processor also selects direction by routing the call.).

Regarding claims 3, and 5, discloses each configured channel having a class, location, and status, wherein said step of reserving and tracking includes storing in a separate record of a database, information about the class, location, and status of each configured channel, which record is available for comparison with said at least one command (See Fig. 1, col 2 lines 12-14, the routing processor 28 is the means for

reserving and tracking all configured channels and stores the information in a data base 29.).

Regarding claim 4, Ash discloses receiving and storing a command (see Fig. 1, abstract, col 3 lines 39-53, the routing processor 28 selects a specific channel using the commands received form the call processor 14 and stores information within a centralized database 29 also see col 4 lines 3-10.).

Regarding claim 6, Ash discloses allocating and providing the location of configured channel for assignment to a call, and updating the status information of configured channel stored in the associated record of a database (see Fig. 1, abstract, col 3 lines 39-53, the routing processor 28 selects a specific channel using the commands received form the call processor 14 or from another switching system query regarding the load status and traffic load capabilities, the routing processor allocates and reserves bandwidth from idle resources and stores information within a centralized database 29 also see col 4 lines 3-10. The fabric controllers 26 update the status to the routing processors 28, see col 4 lines 14-33.);

Regarding claims 8, 17-20, Ash discloses gathering and splitting resources into configured channels (see Fig. 1, abstract, col 3 lines 39-53, the routing processor 28 selects a specific channel using the commands received form the call processor 14 or from another switching system query regarding the load status and traffic load capabilities, the routing processor allocates and reserves bandwidth from idle resources and stores information within a centralized database 29 also see col 4 lines 3-10, the routing processor within this configuration serves both as first agent for configuring of a

channel and second agent for storing (database 29) and supplying the required channel

bandwidth to place a call within the network.).

Regarding claims 9 and 10, Ash discloses class, location, and status of

resources and stores the information before it receives allocation commands from a

principal. (See Fig. 1, col 2 lines 12-14, the routing processor 28 is the means for

reserving and tracking all configured channels and stores the information in a data base

29.).

Regarding claim 11, Ash discloses receiving and storing a command (see Fig. 1,

abstract, col 3 lines 39-53, the routing processor 28 selects a specific channel using the

commands received form the call processor 14 and stores information within a

centralized database 29 also see col 4 lines 3-10.).

Regarding claim 12, Ash discloses a first agent which can allocate a separate

reserved configured channel in response to each allocation command (See Fig. 1, col 2

lines 16-22, the routing processor 28 selects a channel for a call and configures the

channel using system criteria such as bandwidth requirements and traffic load, where

the routing processor serves as the first agent within this configuration.).

Regarding claims 13 and 15, Ash discloses first agent communicates with a

principal faster than said principal can communicate with said second agent (see Fig. 1,

abstract, col 3 lines 39-53, the routing processor 28 selects a specific channel using the

commands received form the call processor 14 or from another switching system query

regarding the load status and traffic load capabilities, the routing processor allocates

and reserves bandwidth from idle resources and stores information within a centralized

database 29 also see col 4 lines 3-10, the routing processor within this configuration

serves both as first agent for configuring of a channel and second agent for storing

(database 29) and supplying the required channel bandwidth to place a call within the

network.).

Regarding claim 14, Ash discloses first agent pre-allocates thereby reserving

configured channels before it receives allocation commands from said principal, further

wherein said first agent stores information respecting said pre-allocated configured

channels in a database (see Fig. 1, col 2 lines 5-9, col 6 lines 19-40, abstract, Ash

reduces setup time of calls by implementing fabric independent routing via routing

processor 28 that selects the route for each call based on system characteristics,

furthermore the type of call may be either data (packet based) or voice call (circuit

switched, also see col 2 lines 15-22, the routing processor 28 selects a channel for a

call and configures the channel using system criteria such as bandwidth requirements

and traffic load, the routing processor may in advance reserve bandwidth when

necessary from idle networks.).

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Raj Jain whose telephone number is 571-272-3145.

The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on 571-272-3134. The fax number for the organization where this application is assigned is 571-273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-2600.

RJ
January 18, 2006

WELLINGTON CHIN
SUPERVISORY PATENT EXAMINER